

ABSTRACT

A directional microphone includes a housing, a diaphragm dividing the housing into a front volume and a back volume, electronics for detecting signals corresponding to movements of the diaphragm, and front and back inlets for the front and back volumes, respectively. To obtain additional low frequency roll-off in the directional microphone, the directional microphone includes an elongated acoustical conduit connecting the front volume and the back volume. The acoustical conduit may be external or internal to the housing.